DEPARTMENT OF THE INTERIOR 79-1470 UNITED STATES GEOLOGICAL SURVEY PLATE 2 Photolineaments mapped from Landsat images Explanation lineament expressed by drainage or other topographic elements Lineament defined by marked contrast, in photographic tone Lineament clearly controlled by rock fabric, structural attitude, or stratigraphic relations, commonly reflected in topography Preliminary assessment of reliability (Landsat maps only): 1 - Strong lineament, probably confirmed by most observer.
2 - Moderately well-lefined lineament, some a biguity with respect to both recognition and significance 3 - Poorly defined lineament; uncertain Identification and/or significance Area of major interest is bounded by heavy outline; lineaments in peripheral areas were noted in passing because of their apparent predominance. but analysis was not comprehensive Landsat frames used, listed by general area of coverage from north to south: 1094 - 18224 1093 - 18170 1075 - 18170 1004 - 18224 1397 - 18053 1075 - 18173 1092 - 18114 1380 - 18113 1163 - 18065 Boundaries of each frame, indicated by light outlines were sketched by visual comparison of map and image and are approximate only. Individual frame numbers are along all boundaries shown and are inside the area of coverage. 5 0 5 10 15 CONTOUR INTERVAL 200 FEET SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVAL

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PRELIMINARY MAPS OF PHOTOLINEAMENTS ALONG PARTS OF THE WESTERN SIERRA NEVADA FOOTHILLS AND EASTERN COAST RANGE FOOTHILLS, CALIFORNIA,

BASED ON LANDSAT IMAGES AND U-2 AIRCRAFT PHOTOGRAPHS